

High Capacity, School or Wastewater Treatment Plant
Well Approval Application

Form 3300-256 (R 7/05)

APR 24 2014

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Notice: Prior department approval is required for the construction, reconstruction or operation of a high capacity well or system of high capacity wells, a school well or a wastewater treatment plant well in accordance with Section NR 812.09(4)(a), Wisconsin Administrative Code. Personally identifiable information collected on this form, including such data as your name, address and phone number, will be used for management of department programs and is unlikely to be used for other purposes. This information will be addressable under Wisconsin's Open Records Laws, ss. 19.32 - 19.39, Wis. Stats.

Use this form to request an approval for installation of a well or wells on a high capacity property, seek approval to make other changes to a high capacity property or to modify a well on a high capacity property, as required by NR 812.09(4)(a), Wisconsin Administrative Code. Refer to definitions of high capacity well, high capacity property and high capacity well system on page 5.

This form is not intended to be used when seeking approval for construction or modification of wells serving water systems regulated under ch. NR 811, Wis. Adm. Code. Any water system serving 7 or more homes, 10 or more mobile homes, 10 or more apartments, 10 or more condominiums, or 10 or more duplexes is regulated under ch. NR 811, Wis. Adm. Code. See NR 811.01, Wis. Adm. Code for applicability requirements.

Applicant Information

Application Prepared By (Name and Title)		Company	
Barry Graham		Roberts Irrigation	
Street Address	City	State	ZIP Code
2022 22 nd Ave	Bloomer	WI	54724
Telephone Number	Fax Number	E-Mail Address	
715-296-4211	715-568-4601	bdg61@hotmail.com	

Property Ownership Information

Property owner, if different than applicant (Name of Person and Title)		Company	
Jeffrey Potter			
Street Address	City	State	ZIP Code
N9344 STH 40	Excelsior	WI	54835
Telephone Number	Fax Number	E-Mail Address	
715-943-2204			

Well Operator Information

Well operator if different than owner (Name of Person and Title)		Company	
SAME			
Street Address	City	State	ZIP Code
Telephone Number	Fax Number	E-Mail Address	

Property Information

Enter the High Capacity Well File Number below if the property is already a high capacity property. If the property is not designated as a high capacity property at the time of application, enter "NONE." NOTE: Find the file number in upper right hand corner of the most recent high capacity well approval, or use the compact disk of departmental well data that is issued to drillers and pump installers. On the compact disk, see "File location" in red print in "Location" section. File number format is as follows: (1 or 2 digits for county) - (1 digit for well classification) - (1 to 4 digits for assigned property no.).

County	Town	High Capacity Well File No.
Rusk	THORNAPPLE	

Submittal Purpose

Check all that apply:

- ☒ Install one or more new wells with a capacity greater than 70 gallons per minute.
- ☐ Install one or more new wells with a capacity less than 70 gallons per minute on a high capacity property.
- ☐ Replace one or more wells with a capacity greater than 70 gallons per minute.
- ☐ Replace one or more wells with a capacity less than 70 gallons per minute on a high capacity property.
- ☐ Reconstruct one or more wells with a capacity greater than 70 gallons per minute.
- ☐ Reconstruct one or more wells with a capacity less than 70 gallons per minute on a high capacity property.
- ☐ Increase pumping rate in one or more wells to a rate greater than previously approved.
- ☐ Request continued operation of high capacity wells after a change in ownership. (No application fee required.)
- ☐ Renew a previous approval that has expired.
- ☐ Well (or wells) will serve a school or wastewater treatment plant. See definitions on page 5.
- ☐ Other, explain _____



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
DG/2 Telephone 608-266-0821
DG/2 FAX 608-267-3579

April 22, 2010

File Number: 55-1-0006

JEFFREY POTTER
N9344 STH 40
EXELAND WI 54835

SUBJECT: HIGH CAPACITY IRRIGATION WELL APPROVAL TOWN OF THORNAPPLE (NORTH PART) RUSK COUNTY

Dear Mr. Potter:

The Division of Water, Bureau of Drinking Water and Groundwater, has received an application for approval for the proposed construction and operation of a high capacity irrigation well. Your application was submitted by Roberts Irrigation Co. Inc. of Plover, Wisconsin.

PROPOSAL SUMMARY

Operator and
Property Owner:

JEFFREY POTTER
N9344 STH 40
EXELAND, WI 54835

Telephone:

(715) 943-2204

Property Description: This property comprises the N ½ of the SE ¼ and the N ½ of the S ½ of the SE ¼ of Section 3, T35N, R7W, Town of Thornapple (north part), Rusk County, Wisconsin. The high capacity irrigation well is to be constructed near the NE corner of the SE ¼ of Section 3.

Existing Water Supply: There is no existing water supply on this property.

Proposed Unconsolidated Formation Construction: The proposed high capacity irrigation well shall be constructed according to the following well location, well construction, pump discharge-arrangement and water-usage specifications:

Proposed Well Name: Szymula
DNR Permanent Well No.: # 71078
Well Location: NE ¼, SE ¼, Section 3
T35N, R7W
Civil Town: Thornapple (North Part)
County: Rusk
Well Type: High Capacity
Irrigation

Proposed Casing Diameter: 16 inch
Proposed Casing Specification: 0.375-inch wall
Proposed Casing Depth: 60 feet
Proposed Screen Type: Galv. V-Wire, 35-Slot
Proposed Screen Length: 40 feet
Gravel Pack Length: N/A
Annular Space Seal Type: Mounded Granular
Bentonite

<u>High Cap. Co. Approval No.:</u> [55-1-0006]	<u>Proposed Well Depth:</u>	100 feet
<u>Aquifer:</u> Surficial sand & gravel	<u>Discharge Type:</u>	Above-ground
<u>Drilling Method:</u> Dual-rotary	<u>Pump Type:</u>	Submersible
<u>Enlarged Drillhole Diameter:</u> None (Casing string to be turned in)	<u>Pump Capacity:</u>	1,000 Gal./Min.
<u>Enlarged Drillhole Depth:</u> N/A	<u>Average Daily Pumpage:</u>	720,000 Gal./day
	<u>Max. Daily Pumpage:</u>	1,440,000 Gal./day

Proposed Pump Installation: A lineshaft turbine pump with a capacity of 1,000 gallons per minute will be installed in the well. The pump installation will have an above-ground discharge. It shall be installed in a manner to meet the requirements of Section NR 812.32, Wis. Admin. Code (State of Wisconsin Private Well Code).

Nearest Public Utility Well: The nearest well serving a public utility is located in the Village of Bruce, which is located 6.4 miles from the proposed high capacity irrigation well.

Proximity to Nearby Springs: The department believes that the proposed well will not have an adverse impact on any springs, as a spring is defined in s. 281.34(1)(f), Wisconsin Statutes. The nearest spring that is identifiable on the U.S.G.S. 1:24,000 scale topographic map is located more than two miles from the proposed high capacity irrigation well.

Groundwater Protection Areas: The proposed high capacity irrigation well will be located 11,400 feet from the nearest ground water protection area, as a ground water protection area is defined in s. 281.34(1)(a), Wisconsin Statutes. The operation of the proposed well should therefore not have an adverse impact on such an area.

Groundwater Management Areas: The proposed well is not located in a designated Groundwater Management Area.

Landfills: According to Department files, there are no landfills located within 1,200 of the proposed high capacity irrigation well site.

Other Considerations: The Department of Natural Resources is authorized by chapters 280 and 281 Stats., to have general supervision and control over the waters of the state and to establish and enforce standards and rules for obtaining drinking water and protecting the public health from polluted water supplies. Chapter NR 812, Wis. Adm. Code is adopted pursuant to this authority.

The Department reviewed the application to determine if the proposed high capacity irrigation well would adversely impact a public utility well as defined in s. 196.01, Wis. Stats. This determination indicates the operation of the high capacity well is not expected to cause a significant reduction in groundwater availability to the nearest public utility well. You may therefore proceed with construction and operation of the proposed high capacity well, but subject to all of the provisions of ch. NR 812, Wis. Adm. Code and to the conditions of this approval, listed below. However, the Department reserves the authority to limit the pumpage from the well to any amount that may be necessary to eliminate excessive drawdown in any nearby public utility well.

If the operation of the proposed high capacity well adversely affects the operation of any private wells on neighboring properties, this Department letter will not negate the protection to which private well owners are entitled under Wisconsin case law relating to groundwater. This Department

letter does not relieve the property owner or well operator of any liability which may result from injury or damage suffered by any person upon operation of the well.

A review has also been conducted on your application to determine whether the proposed construction and operation of the proposed high capacity well will not have a significant adverse impact on the waters of the State that are protected under s. 281.34 of the Wis. Stats. Because the operation of the high capacity water supply is not expected to cause a significant adverse impact on the waters of the State protected under s. 281.34, Wis. Stats., you may therefore proceed with the construction of the high capacity well, but subject to the conditions listed below. The Department reserves the authority to require changes to the construction and the operation of the well and to limit the pumpage rate of the well to any amount that may be necessary to eliminate excessive drawdown in any public utility well that may be affected.

Your application will become a part of the department's permanent high capacity well property file.

Failure to comply with the requirements of ch. NR 812, Wis. Adm. Code, or any condition of this approval voids the approval. Construction or operation of a high capacity well without a valid approval is a violation of s. 281.17, Stats.

APPROVAL CONDITIONS

1. That it is your responsibility and the responsibility of the Well Driller and the Pump Installer to ensure that the well construction and pump installation for the proposed high capacity irrigation well are completed in compliance with requirements of ch. NR 812, Wis. Adm. Code (State Private Well Construction & Pump Installation Code) and in compliance with the approval conditions listed below. If the Department discovers features or aspects of the installation or operation that are in violation of ch. NR 812, Wis. Adm. Code or the conditions of this approval, the approval is void and it is your responsibility or that of the licensed individuals to make needed corrections or changes in operation.
2. That the high capacity irrigation well shall be constructed at the location indicated on your application and as listed below in Table 1. The well driller shall determine accurate latitude and longitude coordinates for the proposed well location(s) with a Global Positioning System (GPS) unit and shall include those coordinates on the Well Construction Report.
3. If construction of the high capacity well has not commenced within two years from the date of this letter, this approval is void. After two years, a new application shall be made for approval of the plans and specifications before any construction work on this proposed well or pump installation is undertaken.
4. That for both the construction and operation of the high capacity irrigation well, all sampling, reporting and other requirements of this approval and of Chapter NR 812 shall be complied with.
5. That the well driller shall prepare and submit a Well Construction Report for the proposed high capacity irrigation well to the Department within 30 days following completion of the well.
6. That during construction of the proposed high capacity well, the well driller shall collect drill cutting samples at 5-foot intervals throughout the depth of the well and at each change in geologic formation. These samples shall be sent to the Wisconsin Geological & Natural History Survey for examination and preparation of a certified geologic log of the well.

7. That the operation of the proposed high capacity well shall be limited to no more than 1,000 gallons per minute.
8. The well location, well construction, pump installation and all of the sampling and reporting requirements shall be done in a manner to meet the requirements of the NR 812, the State of Wisconsin Well Construction & Pump Installation Code.
9. A sign stating "WATER FROM THIS WELL SHALL NOT BE USED FOR HUMAN CONSUMPTION OR FOR THE WASHING OR PREPARATION OF FOOD PRODUCTS" shall be posted at the site of the irrigation well and thereafter shall be maintained in a legible condition.
10. That you may not use, or allow another person or firm, to use any water withdrawn from the high capacity well to produce bottled drinking water, as defined in s. 97.34(1)(a), Stats., unless the Department approves the use of the well for that purpose.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to s. 227.42, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30 day period for filing a petition for judicial review.

All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code. This section of the code requires that the grounds for the petition for the hearing be identified and that the desired changes be described. Pursuant to s. NR 2.05(5) Wis. Adm. Code and s. 227.42 Stats., you are required to include specific information demonstrating the following:

- a. The substantial interest of the petitioner which is injured in fact or threatened with injury by Department action or inaction;
- b. That there is no evidence of legislative intent that this interest is not to be protected;
- c. That the injury to the petitioner is different in kind or degree from the injury to the general public caused by the Department action or inaction; and
- d. That there is a dispute of material fact (you must specify the disputed fact).

This notice is provided pursuant to s. 227.48(2), Stats.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary,
Private Water Supply Section

Thomas V. Rieue

for Mark F. Putra, R.S., Chief
Private Water Supply Section
Bureau of Drinking Water and Groundwater

MFP:tvr

cc: Roberts Irrigation Co. Inc. - P.O. Box 490, Plover, WI 54467

Connie Lefebvre - Northern Region Drinking Water & Groundwater Supervisor - Woodruff

Glenn Mueller - Northern Region Drinking Water Specialist - Woodruff

Roger Peters - WGNHS - 3817 Mineral Point Rd., Madison, Wisconsin (Via Inter-D Mail)

TABLE 1. APPROVED WELL INVENTORY SUMMARY

PROPOSED HIGH CAPACITY

IRRIGATION WELL

DNR HIGH CAP WELL#: 71078

WELL STATUS: APPROVED NEW WELL

JEFF POTTER WELL NUMBER: 002

WELL NAME: SZYMULA

WUWN:

LATITUDE: 45 DEG 32.638 MINUTES N.

LONGITUDE: 91 DEG 13.075 MINUTES W.

LOCATION TOLERANCE: 660 FEET

LOCATION: NE ¼, SE ¼, SECTION 3,

T35N, R7W

CIVIL TOWN: THORNAPPLE (N. PART)

COUNTY: RUSK

DATE COMPLETED:

WELL CONSTRUCTION METHOD:

DUAL-ROTARY

PROPOSED CASING DEPTH: 60 FEET

PROPOSED WELL DEPTH: 100 FEET

SCREEN TYPE: GALVANIZED, V-WIRE,

CONTINUOUS-SLOT (35-SLOT)

SCREEN LENGTH: 40 FEET

DISHCHARGE TYPE: ABOVE-GROUND

PUMP TYPE: SUBMERSIBLE

WATER USAGE: AGRICULTURAL

IRRIGATION

PUMP CAPACITY: 1,000 GAL./MIN

AVG. WATER USE: 720,000 GAL./DAY

MAX. WATER USE: 1,440,000 GAL./DAY



Jeff Potter Hi Cap Irrig Well Approval 04/22/2010



Legend

- Public Water Supply Well - Municipalities
- CFS ≥ 1.0
- 1.0 > CFS ≥ 0.25
- 0.25 > CFS
- Trout Stream Lines - pre 2008
- Class 1
- Class 2
- Class 3
- Outstanding and Exceptional Waters
- Exceptional
- Outstanding
- PLSS Sections
- Major Basin Boundaries
- Municipalities Outline
- Village
- City
- Counties - no flow data

0 2250 4500 6750 ft

Scale: 1:23,999

The specific locations of drinking water wells, surface water intakes, and source water assessment areas are sensitive information. To prevent misuse of this information DNR staff may not provide this information outside of the Department. Information requests should be directed to Gabriella Petersen, (608) 236-8470, Gabriella.Petersen@wisconsin.gov.

Notes: The proposed high capacity irrigation well is to be constructed near the NE corner of the SE-1/4 of Section 3, T35N, R7W, Town of Thornapple (N. Part), Rusk County, WI